

In the Claims

1. (currently amended) A multi-component device capable of delivering a non-lethal electrical shock to a human or any other animal that is the worn apparel of a person, which comprises:

(a) an article of apparel constructed out of any natural and/or synthetic fabric and polymers, said article of apparel comprising wiring for two or more electrodes for the discharge of a high-voltage electric-shock, at least one pressure-sensitive momentary activation switch, which when pressed creates an activation signal causing an instant discharge of a high voltage electric shock from said electrodes, and an external electrical connector to which all wiring from said electrodes and said at least one activation switch attaches, wherein said at least one pressure-sensitive momentary activation switch comprises multiple pressure-sensitive momentary activation switches connected in parallel such that any one or more may separately energize the electrodes upon contact,

(b) a multiconductor wiring harness comprising ~~a first end and a second end~~, and four or more wires, ~~said four or more wires comprising electrical connectors on both first and second ends of said wiring harness~~ to allow electrical connection between said article of apparel and a control unit, a cable comprising (i) at least two high voltage wires each comprising an internal metal conductor, a first insulation layer surrounding said internal metal conductor; and a second insulation layer surrounding said first insulation layer; wherein said first insulation layer is comprised of a silicone and the second insulation layer is comprised of PTFE; wherein said at least two high voltage wires have a diameter of less than one inch; and wherein said at least two high voltage wires can abut each other without short-circuiting when carrying a voltage of more than 100,000 volts and (ii) at least two low voltage wires and wherein said wiring harness carries the high-voltage electrical current needed to deliver the electrical shock and activation signal from the at least one activation switch; ~~and,~~

(c) a control unit that can be mounted about a person; said control unit comprising an internal battery source to provide electrical power, an electrical circuit and

components designed to generate a high-voltage electrical shock between 1,000 and 800,000 Volts AC, a master arming power switch to turn the power supply on and off, an external electrical connector to allow said wiring harness to be connected between said article of apparel and said control unit, and said electrical circuit configured such that the control unit receives the activation control signal from the article of apparel and outputs the high-voltage electric shock back to the article of apparel for discharge; and

(d) a wiring harness connector assembly to removably connect said article of apparel with said control unit, said assembly comprising (i) a male wiring harness connector comprising at least two center male pins connected to at least two high voltage wires, wherein said center male pins are separated by at least 0.75 inch center-to-center spacing and having no other metallic components between them, at least two outer insulation barrels encompassing said at least two center male pins and extending at least 0.5 inches past the length of the respective center male pins and (ii) a female wiring harness connector comprising at least two female center pins connected to at least two high voltage wires, wherein said at least two female center pins are separated by at least 0.75 inch center-to-center spacing and having no other metallic components between them and arranged so as to make connection with said male center pins upon engagement of said male and female wiring harness connectors.

2. (original) The device of claim number 1 wherein said article of apparel is a full-covering hand glove.

3. (original) The device of claim number 1 wherein said article of apparel is a partial or half-covering hand glove having exposed finger tips.

4. (original) The device of claim number 1 wherein said article of apparel is a vest that can be worn by itself or under a jacket or coat.

5. (original) The device of claim number 1 wherein said article of apparel is a coat or jacket.

6. (original) The device of claim number 1 wherein said article of apparel is a pair of shoes or boots.

7. (original) The device of claim number 1 wherein said article of apparel is a long-sleeve shirt.

8. (original) The device of claim number 1 wherein said article of apparel is a pair of long pants.

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (original) The device of claim number 1 wherein said wiring harness is fully removable and is flexible such that it may be routed along contours on a persons body to connect said article of apparel and said control unit.

13. (original) The method of claim 1 wherein said electrical circuit and components comprises at least one oscillator and at least one transformer.

14. (original) A method of subduing an attacker comprising wearing a device according to claim 1, contacting said attacker with said article of apparel comprising said at least one activation switch and two or more electrodes, such that activation switches are depressed and an electrical shock is applied to said attacker.

15. (withdrawn) A wiring harness for carrying high voltage current comprising at least two high voltage wires comprising an internal metal conductor, a first insulation layer surrounding said internal metal conductor; and a second insulation layer surrounding said

first insulation layer; wherein said first insulation layer is comprised of a silicone and the second insulation layer is comprised of PTFE; wherein said at least two high voltage wires have a diameter of less than one inch; and wherein said at least two high voltage wires can abut each other without short-circuiting when carrying a voltage of more than 300,000 volts.

16. (withdrawn) The wiring harness of claim 15 wherein said at least two high voltage wires can carry more than 500,000 volts without short-circuiting.

17. (withdrawn) The wiring harness of claim 15 wherein said at least two high voltage wires can carry 800,000 volts without short-circuiting.

18. (currently amended) The device of claim 1, wherein said control unit comprises a fastener, wherein said ~~fastener~~ fastener is a belt-clip, hook and loop fabric or straps.